

Jaemin Choi

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Education

KAIST

M.S. IN SCHOOL OF COMPUTING (EXPECTED)

- Advisor: Prof. Jeehoon Kang
- Lab: Concurrency and Parallelism Laboratory

Daejeon, South Korea

Sep. 2021 - Aug. 2023

KAIST

B.S. IN SCHOOL OF COMPUTING

Daejeon, South Korea

Mar. 2017 - Aug. 2021

Skills

Programming	Python, Rust, C++
System	Linux
Cloud	Heroku
Misc	Competitive Programming, Coq, LaTeX
Language	Korean, English

Experience

KAIST

TEACHING ASSISTANT

- CS230 System Programming
- CS220 Programming Principles

Daejeon, S.Korea

Mar. 2021 - Aug. 2022

Projects

Slack Bot “no”

Apr. 2018 - Jun. 2022

- General-purpose Slack bot supporting various features including todo list, highly configurable Wordle game, image storage, and more
- Wraps Slack's JSON-based API into a higher-level Python API so that others can more easily contribute
- Implemented in Python with Slack events API and Dropbox API
- Hosted on Heroku server
- (Yes, the bot is actually named “no”)

Extracurricular Activity

Samsung Software Membership

Seoul, S.Korea

MEMBER

Aug. 2020 -

- Membership for Samsung Collegiate Programming Cup award winners & equivalents.
- Wrote posts about advanced algorithms.

Competitive Programming Problem Writer

Jun. 2017 -

- Problem writer for several programming contests, including:
 - 2017, 2021, 2022 UCPC Programming Contest
 - 2017, 2019, 2020, 2021 KAIST ACM-ICPC Mock Competition
 - 2021 KAIST RUN Spring Contest

RUN (Algorithmic Problem Solving Club of KAIST)

Daejeon, S.Korea

MEMBER & PRESIDENT IN 2020

Mar. 2017 - Feb. 2021

- Gained knowledge and experience about competitive programming and algorithms.
- Won awards in several programming contests.
- Problem author of the school programming contests for 4 years.
- Worked as the club president in 2020: taught basic algorithms, and organized 2020 KAIST ACM-ICPC Mock Competition.

Honors & Awards

INTERNATIONAL AWARDS

2022 **26th Place**, ICPC World Finals Dhaka

Dhaka, Bangladesh

DOMESTIC AWARDS

2020 **2nd Place**, ICPC Seoul Regional

Online

2020 **3rd Place Award**, Samsung Collegiate Programming Cup

Online

2019 **7th Place**, ICPC Seoul Regional

Seoul, S.Korea

2019 **4th Place Award**, Samsung Collegiate Programming Cup

Seoul, S.Korea

2018 **11th Place**, ICPC Seoul Regional

Seoul, S.Korea

2018 **Winner**, KAIST ACM-ICPC Mock Competition

Daejeon, S.Korea

Publication

Formal Verification of Chase-Lev Deque in Iris Separation Logic

JAEMIN CHOI

2023

MS Thesis.

Modular Verification of Safe Memory Reclamation in Concurrent Separation Logic

JAEHWANG JUNG, JANGGUN LEE, **JAEMIN CHOI**, JAEWOO KIM, SUNHO PARK, JEEHOON KANG

2023

Submitted to ACM SIGPLAN conference on Object-oriented Programming, Systems, Languages, and Applications (OOPSLA).

Compass: Strong and Compositional Library Specifications in Relaxed Memory Separation Logic

HOANG-HAI DANG, JAEHWANG JUNG, **JAEMIN CHOI**, DUC-THAN NGUYEN, WILLIAM MANSKY, JEEHOON KANG, DEREK DREYER

2022

ACM SIGPLAN conference on Programming Languages Design and Implementation (PLDI).